

SEQUENCE LISTING <:110> Curtis, Rory A.J., Lora, Jose M. <120> 46798, A Human Matrix Metalloprotease and Uses Therefore <130> MPI2001-014P1RNM <140> 10/050,216 <141> 2001-01-16 <150> 60/262,252 <151> 2001-01-16 <150> 10 <170> FastSEQ for Windows Version 4.0 <210> 1 <211> 2310 <212> DNA <213> Homo sapiens <220> <221> CDS <222> (317)...(1651) <400> 1 cteggteece ggggeeggeg gaceegeggg eaggeactge eegggetgga egacgtetgg 120 180 ccggctcccg gcgaaggca gcggaggagc ggcccagagc gcgcagctag ggcactggcg aaaccccggg acagtccctc tccgtgcggg ggcggcgcag agcagtccca tccccggggt cocgggege getgactgee ggstggttee etgegegeag tageteeeg ageeggetg caceggagge ggegag atg gte geg ege gte gge ete etg etg ege gee etg Met Val Ala Arg Val Gly Leu Leu Arg Ala Leu 300 cag ctg cta ctg tgg ggc cac ctg gac gcc cag ccc gcg gag cgc gga Gln Leu Leu Trp Gly His Leu Asp Ala Gln Pro Ala Glu Arg Gly ggc cag gag ctg cgc aag gag gcg gag gca ttc cta gag aag tac gga Gly Gln Glu Leu Arg Lys Glu Ala Glu Ala Phe Leu Glu Lys Tyr Gly tac ctc aat gaa cag gtc ccc aaa gct ccc acc tcc act cga ttc agc T_{Σ} r Leu Asn Glu Gln Val Pro Lys Ala Pro T_{Σ} r Ser T_{Σ} r Arg Phe Ser gat gcc atc aga gcg ttt cag tyg gtg tcc cag cta cct gtc agc ggc Asp Ala Ile Arg Ala Phe Gln Trp Val Ser Gln Leu Pro Val Ser Gly gtg ttg gac ege gee ace etg ege eag atg act egt eee ege tge ggg Val Leu Asp Arg Ala Thr Leu Arg Gln Met Thr Arg Pro Arg Cys Gly 592 gtt aca gat acc aac agt tat gcg gcc tgg gct gag agg atc agt gac Val Thr Asp Thr Asn Ser Tyr Ala Ala Trp Ala Glu Arg Ile Ser Asp 640 100 ttg ttt gct aga cac cgg acc aaa atg agg cgt aag aaa cgc ttt gca Leu Phe Ala Arg His Arg Thr Lys Met Arg Arg Lys Lys Arg Phe Ala 583 aag caa ggg ggc gcc ctg gcg cac gcc ttc ctg ccc cgc ggc gga allys Gln Gly Gly Ala Leu Ala His Ala Phe Leu Pro Arg Arg Gly Glu 784 geg cae the gae caa gat gag ege tgg tee etg age ege ege ege ggg Ala His Phe Asp Gln Asp Glu Arg Trp Ser Leu Ser Arg Arg Gly 150

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		cac His 175														880
		ggc Gly														928
		ctg Leu														976
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		agg Arg														1072
		gcc Ala 255														1120
		cat His														1168
		ctg Leu														1216
		gtg Val														1264
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		cgg Arg 335														1360
		cct Pro														1408
		gcc Ala														1456
		gac Asp														1504
		gat Asp														1552
		cag Gln 415														1600
		ccc Pro														1648
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- 2 -

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195
Gly Lys Pro Leu Gly Gly Ser Val Ala Val Gln Leu Pro Gly Lys Leu
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Thr Val Asp Arg Gln Gln Gln Leu Tyr Ile Phe Lys Gly Ser His Phe 260

Trp Glu Val Ala Ala Asp Gly Asn Val Ser Glu Pro Arg Pro Leu Gln 275

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Gly Gly Leu Pro Arg His Pro Asp Ala Ala Leu Phe Phe Pro Pro Leu 340 345 350 Arg Arg Leu Ile Leu Phe Lys Gly Ala Arg Tyr Tyr Val Leu Ala Arg 355

Gly Gly Leu Gln Val Glu Pro Tyr Tyr Pro Arg Ser Leu Gln Asp Trp 370

Gly Gly Ile Pro Glu Glu Val Ser Gly Ala Leu Pro Arg Ser Leu Gln Asp Gly 365

Ser Ile Phe Phe Arg Asp Asp Asp Tyr Tyr Tyr Arg Leu Asp Gln Ala Ala 405

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Pro Thr Asn Leu Ala Gly Ile Leu Lys Glu Asn Ala Ala Ser Ser Met 50 60 Ala Asp Ile Met Ile Ser Phe Gly Ile Lys Glu His Gly Asp Phe Tyr 165 170 175

Pro Phe Asp Gly Pro Ser Gly Leu Leu Ala His Ala Phe Pro Pro Gly 130 185 190 Pro Asn Tyr Gly Gly Asp Ala His Phe Asp Asp Glu Thr Trp Thr
195 200 205

Ser Ser Ser Lys Gly Tyr Asn Leu Phe Leu Val Ala Ala His Glu Phe
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Phe Pro Ile Tyr Thr Tyr Thr Gly Lys Ser His Phe Met Leu Pro Asp
245

Asp Asp Val Gln Gly Ile Gln Ser Leu Tyr Gly Pro Gly Asp Glu Asp
265

Pro Asn Pro Lys His Pro Lys Thr Pro Asp Lys Cys Asp Pro Ser Leu
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Gln Val Trp Arg Tyr Asp Asp Thr Asn His Ile Met Asp Lys Asp Tyr 405 415

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                                                                             299
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Met Val Ala Arg Val Gly Leu Leu Leu Arg Ala Leu Gln Leu Leu Leu
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His Pro Asp Ala Ala Leu Phe Phe Pro Pro Leu Arg Arg Leu Ile Leu
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325 330 335 Gln Gln Leu Tyr Ile Phe Lys Gly Ser His Phe Trp Glu Val Ala Ala 340 \$340\$Asp Gly Asn Val Ser Glu Pro Arg Pro Leu Gln Glu Arg Trp Val Gly 355 360 365 Leu Pro Pro Asn Ile Glu Ala Ala Ala Val Ser Leu Asn Asp Gly Asp Phe Tyr Phe Phe Lys Gly Gly Arg Cys Trp Arg Phe Arg Gly Pro Lys 385 390 395 Pro Val Trp Gly Leu Pro Gln Leu Cys Arg Ala Gly Gly Leu Pro Arg 405 410 415 His Pro Asp Ala Ala Leu Phe Phe Pro Leu Arg Arg Leu Ile Leu 420 425 430

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450 460 Glu Val Ser Gly Ala Leu Pro Arg Pro Asp Gly Ser Ile Ile Phe Phe 465 470 475 480 465 470 475 480 480 Asp Asp Asp Asp Tyr Trp Arg Leu Asp Gln Ala Lys Leu Gln Ala Thr 485 490 495

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aaa Lys	tgg Trp 130	tac Tyr	aag Lys	cag Gln	cac His	ctc Leu 135	tcc Ser	tac Tyr	cgc Arg	ctg Leu	gtg Val 140	aac Asn	tgg Trp	cct Pro	gag Glu	432
cat His 145	ctg Leu	ccg Pro	gag Glu	ccg Pro	gca Ala 150	gtt Val	cgg Arg	ggc Gly	gcc Ala	gtg Val 155	cgc Arg	gcc Ala	gcc Ala	ttc Phe	cag Gln 160	480
ttg Leu	tgg Trp	agc Ser	aac Asn	gtc Val 165	tca Ser	gcg Ala	ctg Leu	gag Glu	ttc Phe 170	tgg Trp	gag Glu	gcc Ala	cca Pro	gcc Ala 175	aca Thr	523
ggc Gly	ccc Pro	gct Ala	gac Asp 180	atc Ile	cgg Arg	ctc Leu	acc Thr	ttc Phe 185	ttc Phe	caa Gln	ggg Gly	gac Asp	cac His 190	aac Asn	gat Asp	57s
Gly	ctg Leu	ggc Gly 195	aat Asn	gcc Ala	ttt Phe	gat Asp	ggc Gly 200	cca Pro	ggg Gly	ggc Gly	gcc Ala	ctg Leu 205	gcg Ala	cac His	gcc Ala	624
ttc Phe	ctg Leu 210	ccc Pro	cgc Arg	cgc Arg	ggc Gly	gaa Glu 215	gcg Ala	cac His	ttc Phe	gac Asp	caa Gln 220	gat Asp	gag Glu	cgc Arg	tgg Trp	672
tcc Ser 225	ctg Leu	agc Ser	cgc Arg	cgc Arg	cgc Arg 230	ggg Gly	cgc Arg	aac Asn	ctg Leu	ttc Phe 235	gtg Val	gtg Val	ctg Leu	gcg Ala	cac His 240	720
gag Glu	atc Ile	ggt Gly	cac His	acg Thr 245	ctt Leu	ggc Gly	ctc Leu	acc Thr	cac His 250	tcg Ser	ccc Pro	gcg Ala	ccg Pro	cgc Arg 255	gcg Ala	768
ctc Leu	atg Met	gcg Ala	ccc Pro 260	tac Tyr	tac Tyr	aag Lys	agg Arg	ctg Leu 265	ggc Gly	cgc Arg	gac Asp	gcg Ala	ctg Leu 270	ctc Leu	agc Ser	816
tgg Trp	gac Asp	gac Asp 275	gtg Val	ctg Leu	gcc Ala	gtg Val	cag Gln 280	agc Ser	ctg Leu	tat Tyr	Gly ggg	aag Lys 285	ccc Pro	cta Leu	GJÀ āāā	864
Gly	tca Ser 290	gtg Val	gcc Ala	gtc Val	cag Gln	ctc Leu 295	cca Pro	gga Gly	aag Lys	ctg Leu	ttc Phe 300	act Thr	gac Asp	ttt Phe	gag Glu	912
acc Thr 305	tgg Trp	gac Asp	tcc Ser	tac Tyr	agc Ser 310	ccc Pro	caa Gln	gga Gly	agg Arg	cgc Arg 315	cct Pro	gaa Glu	acg Thr	cag Gln	ggc Gly 320	960
cct Pro	aaa Lys	tac Tyr	tgc Cys	cac His 325	tct Ser	tcc Ser	ttc Phe	gat Asp	gcc Ala 330	atc Ile	act Thr	gta Val	gac Asp	agg Arg 335	caa Gln	1008
cag Gln	caa Gln	ctg Leu	tac Tyr 340	att Ile	ttt Phe	aaa Lys	Gl ^y ggg	agc Ser 345	cat His	ttc Phe	tgg Trp	gag Glu	gtg Val 350	gca Ala	gct Ala	1056
gat Asp	ggc Gly	aac Asn 355	gtc Val	tca Ser	gag Glu	ccc Pro	cgt Arg 360	cca Pro	ctg Leu	cag Gln	gaa Glu	aga Arg 365	tgg Trp	gtc Val	ggg Gly	1104

						ttg Leu 380			1152
						ttc Phe			1200
						Gly ggg			1248
						cgc Arg			1296
						Gly aaa			1344
						gga Gly 460			1392
						tcc Ser			1440
						aaa Lys			1488
						atg Met			1536
		gcc Ala		tga *					1563